

memorandum

National Nuclear Security Administration
Los Alamos Site Office
Los Alamos, New Mexico 87544

DATE: **FEB 15 2008**
REPLY TO: 1112/ SET:4FB-006
ATTN OF:
SUBJECT: Los Alamos Site Office Annual Workforce Analysis and Staffing Report for Calendar Year 2007

TO: Karen L. Boardman, Chairperson, Federal Technical Capability Panel, NNSA/SC

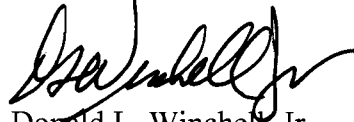
This memorandum forwards the Los Alamos Site Office (LASO) Annual Workforce Analysis and Staffing Report for calendar year 2007. The analysis modifies the draft analysis presented for the Federal Technical Capability Panel (FTCP) meeting in November 2007 in two ways; the number of authorized technical positions has increased and the presentation of the data is modified to better reflect essential staffing positions.

At the end of December, the National Nuclear Security Administration (NNSA) Administrator approved an increase to the LASO authorized staffing level by 10 technical positions, additionally, staff reassignments have occurred consistent with the LASO Revitalization Plan and some previously existing vacancies have been filled. Including the newly approved billets, LASO currently has 24 authorized technical position vacancies. LASO is working aggressively to fill these vacancies, but even so, filling a vacancy can take greater than 6 months due to the complexity of the process, availability of technically qualified applicants, and reluctance of applicants to relocate to Los Alamos, New Mexico. Success in recruiting is directly impacted by the availability of approved Permanent Change of Station (PCS) funding.

The format of the Technical Staffing Summary Table has been modified to clarify the data presented such that statistical analysis derived from this information presents more accurate information. Two columns have been added and definitions of the data presented made more specific. The first column, titled "*Number of FTEs Needed to Fill the Essential Position,*" is the number that should be used in critical staffing evaluations. The second column, "*FTE Staffing Target,*" includes the essential positions plus any additional positions to be staffed to prepare for suspected attrition or future increases in functional area workload, i.e. succession planning; this is the number of positions authorized to be staffed. The third column is "*Number of FTEs Onboard.*" The fourth column identifies the number of staff enrolled in the Technical Qualification Program (TQP) for that functional area. Organizationally staff may be assigned to the organization responsible for Environmental Remediation though their technical qualification may be as a Federal Project Director because that better represents the skill set needed. Also, at least one organization with approval through the chain of command has an alternate qualification program and does not utilize TQP. The numbers indicated in the forth column are those that should be used as the baseline for

TQP statistical evaluation. The comments column identifies where the Office of Environmental Management (EM) rather than NNSA funds positions.

If you have any questions or comments regarding the information presented in this memorandum or the attached Workforce Analysis you may contact me at (505) 667-5105, or my FTCP Agent Fred Bell at (505) 665-4856 or fbell@doeal.gov.



Donald L. Winchell, Jr.
Manager

Attachment

cc w attachment:

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**Annual Workforce Analysis and Staffing Plan Report
as of December 31, 2007
Los Alamos Site Office**

Section One: Current Mission(s) of the Organization and Potential Changes

1. The Los Alamos Site Office (LASO) provides oversight of the Los Alamos National Laboratory (LANL), a large, complex laboratory supporting many diverse DOE and other government agency missions. Facility statistics and on going work activities include:

- 2.2 billion dollar annual budget
- 19 Nuclear facilities, 84 Radiological facilities, 8 high and moderate hazard non-nuclear facilities
- 40% of facilities are over 40 years old with \$450 M of deferred maintenance
- A relatively new for-profit contractor implementing new Conduct of Operations, Engineering, Maintenance, and Training Programs, reorganizing the management structure, and implementing a broad Contractor's Assurance System
- Many explosives facilities and firing sites
- Many weapons physics, chemical, laser, magnetic, materials, biological laboratories and research projects on-going
- Two large accelerator facilities with 3 different locations having greater than HC 3 quantities of nuclear materials
- 11,250 contractors on site with over 2000 active sub-contracts in place
- 36 square miles, 100 miles of roads, 30 miles of 115 KV transmission lines, 120 miles of gas transmission lines.
- Continue to upgrade all safety basis hazards analyses, 10 new DSAs, SADs, or pDSAs in 2008
- CMRR Project is a greater than \$850 M replacement effort consisting of HC 2, Security Cat 1 Nuclear Facility and radiological laboratory. Preliminary design has identified 48 vital safety systems; 5 other nuclear (Haz Cat 2) or security line item projects in excess of \$550M\$ total project cost in addition to multiple related nuclear GPPs and expense projects. Projects include Radioactive Liquid Waste Treatment Facility, Nuclear Materials Safeguards and Security Upgrades, greater than \$300M of refurbishment projects
- ~90M annual maintenance program
- B61-7/11 and W76 Life Extension Programs
- W88 pit manufacturing and certification to include extensive work with other sites on subcritical experiments
- Environmental remedial from DOE legacy work
- Materials and particle physics research
- Medical Isotope Research and Production
- Stockpile stewardship programs
- Nuclear Nonproliferation program
- Hydrodynamic Testing
- Explosives research and experimentation
- Detonator Manufacturing
- Plutonium operations
- Radiological waste processing, storing, shipping
- Work for Others programs for DHS, Defense, and other agencies

Section Two: Technical Staffing

The Technical Staffing Table includes data developed and documented in:

- Memorandum “Los Alamos Site Office (LASO) Designation of Positions Requiring Senior Technical Safety Manager (STSM) Qualified Staff
- The Facility Representative Staffing Plan
- The LASO System Safety Oversight Program Staffing Analysis

These documents are attached.

At the end of December, the National Nuclear Security Administration (NNSA) Administrator approved an increase to the LASO authorized staffing level by 10 technical positions, additionally, staff reassignments have occurred consistent with the LASO Revitalization Plan and some previously existing vacancies have been filled. Including the newly approved billets, LASO currently has 24 authorized technical position vacancies.

The format of the Technical Staffing Summary Table has been modified to clarify the data presented such that statistical analysis derived from this information presents more accurate information. Two columns have been added and definitions of the data presented made more specific. The first column, titled “*Number of FTEs Needed to Fill the Essential Position,*” is the number that should be used in critical staffing evaluations. The second column, “*FTE Staffing Target,*” includes the essential positions plus any additional positions to be staffed to prepare for suspected attrition or future increases in functional area workload, i.e. succession planning; this is the number of positions authorized to be staffed. The third column is “*Number of FTEs Onboard.*” The fourth column identifies the number of staff enrolled in the Technical Qualification Program (TQP) for that functional area.

Section Two – Site Characteristics Table¹

Number of Hazard Category 1, 2, or 3 Nuclear Facilities:	HC1	0
	HC2	14
	HC3	5
Number of Radiological Facilities²:		84
Number of High or Moderate Hazard Non-Nuclear Facilities:		8
Number of Low Hazard Non-Nuclear Facilities:		2139
Number of Documented Safety Analyses:		10
Number of Safety Systems³:		120
Number of Site Contractor FTEs:		11,250
Number of Federal Office FTEs:	129 NNSA Approved, 102 NNSA On Board 23 EM Approved, 4 EM On Board	

Notes:

1. Sites accountable to multiple Headquarter Program Offices should list FTE needs by each Cognizant Secretarial Office, e.g. Total 22 FTEs (EM - 20, NE - 2).
2. Radiological Facilities are defined in 10 CFR 830 as below Hazard Category 3 Facilities. Hazard Category 1, 2 or 3 Nuclear Facilities should not be double counted as Radiological Facilities.
3. Safety Systems must be credited in a Documented Safety Analysis.

Section Two – Technical Staffing Summary Table

For All Facilities

Technical Capability	FTEs Needed to Fill the Essential Positions	FTE Staffing Target	Number of FTEs Onboard	Number Tracked in TQP for Functional Area	Comments
Senior Technical Safety Mangers	8	8	7	7	May be revised with issuance of the LASO Revitalization Plan
Safety System Oversight Personnel	6	3.75	0.75	0	1 EM funded position, 3 vacancies advertised, TQP assigned under primary FAQ
Facility Representatives	14	15	10	10	2 EM funded positions, 5 vacancies advertised
Other Technical Capabilities:					
Aviation Safety Manager	0	0	0	0	Covered by NNSA Service Center Support as required
Aviation Safety Officer	0	0	0	0	
Chemical Processing	0	0	0	0	
Civil/Structural Engineering	0	0	0	0	Seismic support provided by NNSA Service Center, subcontractor support utilized for projects
Construction Management	2	2	1	1	1 vacancy advertised
Criticality Safety	1	1	1	1	An additional 0.5 FTE support provided by the NNSA Service Center through LASO SME qualification
Deactivation & Decommissioning	0	0	0	0	
Electrical Systems	.25	.25	.25	1	FTE shared with SSO Program
Emergency Management	1	1	1	1	
Environmental Compliance	3	3	3	3	
Environmental Restoration	1	1	1	1	
Facility Maintenance Management	1	1	1	1	
Fire Protection Engineering	1	2	1	1	1 vacancy advertised
Industrial Hygiene	1	1	1	0	Certified IH in position, TQP qualified under Occupational Safety
Instrumentation & Control	0	0	0	0	
Mechanical Systems	0	0	0	0	Vacancy included under SSO
Nuclear Explosive	0	0	0	0	
Nuclear Safety Specialist	12	12	8	8	1 EM funded position, 3 vacancies advertised
Occupational Safety	1	1	0	1	1 vacancy advertised
Quality Assurance	5	5	5	5	
Radiation Protection	2	3	2	2	1 vacancy advertised
Safeguards & Security	13	13	10	0	4 vacancies advertised
Safety Software Quality Assurance	0	0	0	0	SQA is a collateral duty assigned to a QA specialist
Technical Program Manager	11	11	11	11	
Technical training	1	1	1	1	
Transportation & Traffic Mgmt	0	0	0	0	Transportation oversight collateral duty for an FR, Traffic Mgmt is an OSHA SME duty
Waste Management	2	2	1	1	1 vacancy advertised
Federal Project Directors	19	19	16	16	6 EM funded positions, 3 vacancies advertised

Section Three: Current shortages and plans for filling them

LASO currently has 24 vacancies in the functional areas identified in the Technical Staffing Summary Table and 46 vacancies throughout all disciplines within the Site Office. Specific vacancies are identified in the comments section of the Technical Staffing Summary Table. Vacancies are prioritized and hiring actions are worked in the prioritized order. Excepted service position authorization is requested for particularly hard to fill positions. LASO is working aggressively to fill these vacancies, but even so, filling a vacancy can take greater than 6 months due to the complexity of the process, availability of technically qualified applicants, and reluctance of applicants to relocate to Los Alamos, New Mexico. Success in recruiting is directly impacted by the availability of approved Permanent Change of Station (PCS) funding.

Section Four: Projected shortage/surplus over next five years

Current staffing requirements are expected to remain relatively stable over the next several years assuming no significant changes in mission and budget.

It is anticipated that there will always be vacancies and hiring actions in progress to recover from attrition, averaging between 11% and 15% over the past 4 years (this includes internal office transfers that require positions to be backfilled and staff requalified). LASO's staff has an average of 50.4 years so many are currently or will soon be eligible to retire.

Section Five: General comments or recommendations related to the Technical Staffing

The biggest challenges with filling vacancies and maintaining technical safety positions staffed include:

- Availability of Permanent Change of Station (PCS) funding. Los Alamos is remotely located and most of the qualified applicants are from outside the commuting area; failure to offer to pay PCS expenses generally results in applicants declining offers and restart of the recruitment process.
- The length of time required to get through the recruitment and hiring process.
- Attrition.
- Restructuring of the organization to support institutional initiatives such that staff need to be requalified in a new functional area.

memorandum

National Nuclear Security Administration
Los Alamos Site Office
Los Alamos, New Mexico 87544

DATE: **AUG 22 2007**
REPLY TO: SET:5FB-004
ATTN OF: SET:5FB-004
SUBJECT: Los Alamos Site Office (LASO) Designation of Positions Requiring Senior Technical Safety Manager (STSM) Qualified Staff

TO: Distribution

The Federal Technical Capability Manual, DOE M 426.1-1A, requires that the Field Element Manager identify the positions within the Site Office that require STSM qualification. The Manual defines an STSM as follows:

"An STSM is a person, usually at the GS/GM-15 or SES level, who is assigned direct line responsibility for activities impacting the safe operation of defense nuclear facilities, including managing technical programs and associated resources and providing assistance, direction, guidance, oversight, or evaluation of contractor technical activities through the contracting officer or pursuant to some specific contract delegation."

Within LASO, those positions designated as STSM in accordance with the definition above are:

- LASO Manager
- LASO Technical Deputy Manager
- Assistant Manager for Safety Operations
- Deputy Assistant Manager for Safety Operations
- Assistant Manager for National Security Mission
- Assistant Manager for Environmental Operations
- CMRR Federal Project Director
- LASO Federal Technical Capability Panel Agent

The incumbents and newly assigned staff in these positions are required to participate in the Technical Qualification Program (TQP) and to become STSM qualified. The TQP will be utilized to track progress towards qualification, document qualification status, and manage requalification. Position descriptions for these positions must be reviewed, and revised as necessary, to ensure they clearly identify the positions as STSM positions and be written to ensure that the requisite education, experience, and requirements are included as defined in the Manual.

Other LASO staff may be assigned an STSM qualification standard at their request as a career development activity with approval of their supervisor, provided they meet the background and experience criteria specified by the Manual. These non-designated STSM qualification activities will not be tracked as filling a capability requirement.

AUG 22 2007

Individuals who are currently qualified as STSM but not filling designated positions are encouraged to maintain their qualification. Qualified STSMs in non-designated positions may perform reviews as a compensatory measure as described below.

Where the incumbent in the STSM position is not qualified, compensatory measures must be put in place to address the deficiency. At LASO, technical decisions affecting nuclear safety being approved by a person not yet STSM qualified must be concurred with by a qualified STSM. Concurrence by the qualified STSM is formally documented on LASO Correspondence Concurrence Forms.

I will be monitoring progress towards achieving STSM qualification and meeting requalification requirements. It is expected that staff will maintain a Green Progress Status on the TQP Progress matrix.

Jan Chavez-Wilczynski

Donald L. Winchell, Jr.
Manager

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Vozella, Joe	Acting AMSO	LASO

memorandum

National Nuclear Security Administration
Los Alamos Site Office
Los Alamos, New Mexico 87544

DATE: **FEB 11 2008**
REPLY TO:
ATTN OF: 1112/ SET:4FB-005
SUBJECT: Los Alamos Site Office System Safety Oversight Staffing Plan

TO: Donald L. Winchell, Jr., Manager, Los Alamos Site Office

Reference:

- 1) Memorandum, to Distribution from Karen L. Boardman, Subject: "*Annual Workforce Analysis and Staffing Plan Report for Calendar Year 2007 – 07-NA SC-002*," dated September 18, 2007

This memorandum forwards the Los Alamos Site Office (LASO) System Safety Oversight (SSO) Staffing Plan and serves as documentation of the approved number of Full-Time Equivalent (FTE) employees to be staffed to the LASO SSO program.

The Federal Technical Capability Manual, DOE M 426.1-1A, identifies the need to establish an SSO program. Reference 1) prescribes a format for completing the SSO staffing analysis. Application of the prescribed format identified a need for 13 SSO staff prior to correction for individual availability due to other duties and administrative activities. LASO does not believe the analysis represents actual need.

The attached analysis modifies the prescribed analysis adding a modifying factor called the Oversight Complexity Factor to the table 5 calculations. This factor includes consideration of field coverage time necessary based on specific system knowledge and compensates for the Safety System Adjustment factor developed in table 3 which appears to over inflate the need for additional coverage when there are large complex systems with an immature contractor's system engineering program. The results of this analysis indicate a need for 6 SSO staff prior to correction for individual availability.

LASO currently has one SSO staff person assigned part-time, an additional new hire is scheduled to report this month, and vacancies are advertised for an additional two positions. This will bring the permanent staffing to 3.75 FTE's. Service Center staff and facility representatives (FR) will be utilized to support field assessment, maintenance program oversight activities will be integrated with SSO oversight, and systems are being developed to capture FR and subject matter experts operations awareness data for inclusion with system performance evaluation. With implementation of the measures cited above, and consideration given to the infrastructure support necessary to start up the SSO program (hiring, qualification, supervision, and program development) LASO believes this is the correct initial staffing level. The SSO program implementation and adequacy of staffing will be reevaluated as part of the Workforce Staffing Analysis to be completed again in January 2009.

Please review the attached SSO Staffing Plan and indicate your authorization for staffing to 3.75 FTE's, and utilization of the methods indicated above to accomplish the required oversight. This information will be included as an attachment to the FTCP Workforce Analysis to be submitted to the Federal Technical Capability Panel Chairperson.

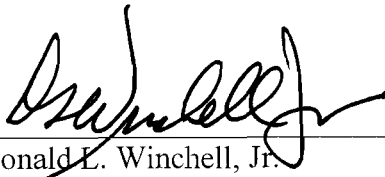
If you have any questions or comments regarding the information presented in this memorandum or the attached staffing plan, please contact me at (505) 665-4856 or fbell@doeal.gov.



Fred Bell
Supervisor
Safety Engineering Team

Attachment

Manager approval:



Donald L. Winchell, Jr.
Manager, LASO

cc w/o attachment:

E. Hughes, HS-22, HQ/GTN
J. O'Brien, HS-22, HQ/GTN
D. Glenn, OOM, LASO
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F. Bell, SET, LASO
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C. Keilers, DNFSB, LASO
B. Broderick, DNFSB, LASO
Records Center, LASO

[OfficeName] Safety System Oversight Staffing Analysis - 2005

Table 1 - Facility Hazard Ranking Worksheet

December 2005

	Radiation Exposure			Criticality			Biological			Hazardous Chemicals			Vapors			Electricity			Cryogenics			High Pressure			Hoisting & Rigging			Construction or D&D			Explosives			Fire			Facility Hazard Value
Nuclear Facility	public	worker	environment	public	worker	environment	public	worker	environment	public	worker	environment	public	worker	environment	public	worker	environment	public	worker	environment	public	worker	environment	public	worker	environment	public	worker	environment	public	worker	environment				
TA-55	3	3	2	1	2	1	0	0	0	1	3	1	0	1	0	0	2	1	0	2	0	0	2	0	0	2	2	0	1	0	1	1	1	35			
CMR	2	2	2	0	1	0	0	0	0	1	3	1	0	0	0	0	3	0	0	2	0	0	2	0	0	2	1	0	0	0	1	1	1	27			
WETF	1	2	1	0	0	0	0	0	0	0	1	1	0	0	0	0	2	0	0	2	0	0	1	0	0	0	0	0	1	0	1	1	1	17			
TA-50 WCRRF	1	3	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	1	1	1	13		
TA-54 Area G	3	3	3	0	2	0	0	0	0	1	1	1	0	0	0	0	2	0	0	1	1	0	0	2	0	0	2	0	0	0	0	1	1	1	26		
TA-54 RANT	1	2	2	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	2	0	0	1	0	0	0	0	1	1	1	16			
																																		0			
																																		0			

Table 2 - Facility Coverage Ranking Factor

Facility or Groups of Facilities a	Facility Hazard Value (from Table 1) b	Facility Size c	Material Condition d	Operations Complexity e	Programmatic Importance f	Operational Rigor g	Facility Hazard Ranking Factor h=b*c*d*e*f*g
TA-55	35	1.25	1.25	1.00	1.25	1.25	85
CMR	27	1.25	1.25	1.00	1.25	1.25	66
WETF	17	1.00	0.75	1.00	1.25	1.25	20
TA-50 WCRRF	13	0.75	1.25	1.00	1.00	1.25	15
TA-54 Area G	41	1.25	1.25	1.00	1.25	1.25	100
TA-54 RANT	16	0.75	1.25	1.00	1.00	1.00	15

Table 3 - Safety System Adjustment Factor

Facility / Nuclear Safety Systems	System Type	System Size	System Complexity	System Condition	Contractor System Engineer Program Implementation	Safety System Adjustment Factor
a	b	c	d	e	f	g=c*d*e*f
TA-55						
Ventilation System	Ventilation	1.25	1.25	1.25	1.25	2.4
Fire Suppression System	Fire Protection	1.25	1.25	1	1.25	2.0
Criticality Alarm System	Instrumentation	1	0.75	1	1.25	0.9
Paging System	Instrumentation	1	0.75	1	1.25	0.9
Gloveboxes	Mechanical	1	1	1	1.25	1.3
Flammable Gas Control System	Instrumentation	1	0.75	1	1.25	0.9
Uninterruptible Power Supply (UPS)	Electrical	1	0.75	0.75	1.25	0.7
Continuous Air Monitors	Radiological	1	0.75	0.75	1.25	0.7
CMR						
Fire Suppression System	Fire Protection	1.25	1.25	1.25	1.25	2.4
Ventilation System	Ventilation	1.25	1.25	1.25	1.25	2.4
Fire Alarm System	Fire Protection	1.25	1.25	1.25	1.25	2.4
Radiation Monitoring System	Radiological	1	1	1	1.25	1.3
Electrical Power System	Electrical	1.25	1.25	1.25	1.25	2.4
WETF						
Ventilation System	Ventilation	1.25	1.25	1	1.25	2.0
Fire Protection System	Fire Protection	1.25	1.25	1	1.25	2.0
Tritium Gas Handling System	Mechanical	1	1	0.75	1.25	0.9
Tritium Gas Containment System	Mechanical	1	0.75	0.75	1.25	0.7
Tritium Monitoring System	Instrumentation	1	1	0.75	1.25	0.9
Tritium Waste Treatment System	Mechanical	1	1	0.75	1.25	0.9
Uninterruptible Power Supply (UPS)	Electrical	1	1	0.75	1.25	0.9
TA-50 WCRRF						
TA-50-69 Fire Suppression System	Mechanical	0.75	0.75	1	1.25	0.7
TA-50-69 HVAC	Mechanical	1	0.75	1	1.25	0.9
Characterization Glove Box/Fixture	Mechanical	0.75	0.75	1	1.25	0.7
Continuous Air Monitors	Radiological	0.75	0.75	1	1.25	0.7
Electrical Distribution System	Electrical	1	0.75	1	1.25	0.9
TA-50-69 UPS	Electrical	0.75	0.75	0.75	1.25	0.5
TA-54 Area G						
Low-Level Waste Compactor Ventilation	Ventilation	0.75	0.75	0.75	1.25	0.5
Interlocks for Radiography Machines	Electrical	0.75	0.75	0.75	1.25	0.5
Personnel Contamination Monitors	Radiological	0.75	0.75	0.75	1.25	0.5
Continuous Air Monitors	Radiological	0.75	0.75	0.75	1.25	0.5
TA-54 RANT						
Fire Suppression System	Fire Protection	0.75	0.75	0.75	1.25	0.5
Bridge Crane and Rigging	Mechanical	0.75	0.75	0.75	0.75	0.3
NOTE: This table only includes active systems - There are many passives that are not entered.						

Table 4 - SSO Base Time Commitment

SSO Programmatic and Collateral Activities for a Simple Safety Significant System in a low hazard facility

	Activity	Hrs/day	Hrs/week	Hrs/month	Hrs/quarter	Hrs/year	Total Hours	FTE
Fixed-Time Technical Activities	Meetings/Interface/Coordination							
	Attend routine program meetings			2			24	0.012
	Attend meetings with Contractor SEs		2	1			116	0.056
	Weekly Meeting w/ Fac Reps		1				52	0.025
	Fac Rep One-on-One Interface			4			48	0.023
	SSO Training/Requalification							
	SSO Requalification			8		20	116	0.056
	SSO Training			8		20	116	0.056
	SSO Reporting Activities							
	Logkeeping	0.5	0				130	0.063
	Reporting - Quarterly, Weekly, Monthly		3	2	4	4	200	0.096
	Safety/Authorization Basis							
	Review DSA Mods/JCOs					32	32	0.015
	Annual Review of USQ Determinations					32	32	0.015
	Review of Assigned Safety System USQs				6		24	0.012
	Contractor Procedure/Process Changes							
	Review Process/Procedure Changes		0.75				39	0.019
	Travel Time to System Location		1.5				78	0.038
	SSO Program Assessment & Improvement					40	40	0.019
	Successor Development & Qualification					10	10	0.005
	Turnover to Successor						0	0
Fixed-Time Technical Hours Subtotal							1057	0.508
System-Dependent Activities	Corrective Action Program (CAP)							
	Review emerging system problems			3			36	0.017
	Review CAP resolutions			2			24	0.012
	Follow-up/Closure of SSO Findings, Issues			6			72	0.035
	Performance Monitoring							
	Reviews of System Performance/Reliability		2	0	2		112	0.054
	Review System Health Reports/Perf Ind.			4	0		48	0.023
	Review TSR/LCO Performance	0.5		1			142	0.068
	Monitor Contractor SE Program		2	0	2		112	0.054
	Inspection/Condition Monitoring							
	System Walkdowns/CAP Inspections	2		4			568	0.273
	Other (Specify)						0	0
System-Dependent Time Subtotal							1114	0.536
Total BASE SSO Technical Time							2171	1.04
Administrative Time	Other Technical Assignments - Non-SSO							
	Operational Readiness Reviews					40	40	0.02
	Special Assignments					40	40	0.02
	Collateral Assignments		3		20		236	0.11
	Non-SSO Assessments (e.g., ISM, etc.)				12		48	0.02
	Technical Support to Other Federal Staff			2			24	0.01
	Administrative Duties & Activities							
	Time keeping		0.25				13	0.01
	Training Registration			1			12	0.01
	Travel					80	80	0.04
	Personnel Activities					8	8	0.00
	Medical Qualifications/Exams					3	3	0.00
	Document Reviews				24		96	0.05
	Mail & E-Mail Management	1					260	0.13
	Staff Meetings		1	1			64	0.03
	Annual Leave		4				208	0.10
	Sick Leave					40	40	0.02
	Military Leave						0	0.00
	Training, GET					3	3	0.00
	Training, Rad Worker II					8	8	0.00
	Training, Hazwoper Refresher					8	8	0.00
	Training, Facility Access					12	12	0.01
	Training, Admin (EEO, Ethics, etc.)					12	12	0.01
	Other, Specify						0	0.00
	Overtime (0%)					0	0	0.00
SSO Administrative Time							1215	0.58

Table 5 - System-Specific Adjusted Base SSO Hours

Facility or Groups of Facilities (a)	Functional Area Assignment	System Type (b)	Safety System Adjustment Factor (c)	SSO System Dependent Base Hours (d)	Adjusted System Dependent SSO (e)=(c)*(d)	Oversight Complexity Factor* (f)	Adjusted System Dependent SSO (g)=(e)*(f)
TA-55							
Ventilation System	1	Ventilation	2.4	1114	2720	0.5	1360
Fire Suppression System	2	Fire Protection	2.0	1114	2176	0.5	1088
Criticality Alarm System	SME	Instrumentation	0.9	1114	1044	0.25	261
Paging System	3	Instrumentation	0.9	1114	1044	0.25	261
Gloveboxes			1.6	1114	1741	0.25	
Flammable Gas Control System	3	Instrumentation	0.9	1114	1044	0.25	261
Uninterruptible Power Supply (UPS)	3	Electrical	0.7	1114	783	0.25	196
Continuous Air Monitors	SME	Radiological	0.7	1114	783	0.25	196
CMR							
Fire Suppression System	2	Fire Protection	2.4	1114	2720	0.5	1360
Ventilation System	1	Ventilation	2.4	1114	2720	0.5	1360
Fire Alarm System	3	Instrumentation	2.4	1114	2720	0.25	680
Radiation Monitoring System	SME	Radiological	1.3	1114	1393	0.25	348
Electrical Power System	3	Electrical	2.4	1114	2720	0.25	680
WETF							
Ventilation System	1	Ventilation	2.0	1114	2176	0.5	1088
Fire Protection System	2	Fire Protection	2.0	1114	2176	0.25	544
Tritium Gas Handling System			0.9	1114	1044	0.5	
Tritium Gas Containment System			0.7	1114	783	0.5	
Tritium Monitoring System	3	Instrumentation	0.9	1114	1044	0.25	261
Tritium Waste Treatment System			0.9	1114	1044	0.25	
Uninterruptible Power Supply (UPS)	3	Electrical	0.9	1114	1044	0.25	261

TA-50 WCRRF							
TA-50-69 Fire Supression System	2	Mechanical	0.7	1114	783	0.5	392
TA-50-69 HVAC			0.9	1114	1044	0.25	
Characterization Glove Box/Fixture			0.7	1114	783	0.25	
Continuous Air Monitors	SME	Radiological	0.7	1114	783	0.25	196
Electrical Distribution System	3	Electrical	0.9	1114	1044	0.25	261
TA-50-69 UPS	3	Electrical	0.5	1114	587	0.25	147
TA-54 Area G							
Low-Level Waste Compactor Ventilation	1	Ventilation	0.5	1114	587	0.25	147
Interlocks for Radiography Machines			0.5	1114	587	0.25	
Personnel Contamination Monitors	SME	Radiological	0.5	1114	587	0.25	147
Continuous Air Monitors	SME	Radiological	0.5	1114	587	0.25	147
TA-54 RANT							
Fire Supression System	2	Fire Protection	0.5	1114	587	0.5	294
Bridge Crane and Rigging			0.3	1114	352	0.5	

Oversight Complexity Factor (column G) * Includes consideration of system size, change and maintenance frequency, operability history

System is inactive or no longer credited	0
System is solid state, simple mech, or passive	0.25
System is stand alone, stable configuration, requires routine rounds and maintenance only	0.5
System is complex, aging and/or has special issues requiring close attention by NNSA	0.75
System is complex, aging and/or has special issues AND poses unacceptable risk to the public, worker or environment	1.0

Table 6 - Multiple System Assignment Factors

System Type	Facility	System	Adjusted System Dependent SSO Hours/Year	Fixed-Time Technical Hours/Year	Total SSO Technical Hours/Year (Note 1)	Total SSO Technical FTE
(a)	(b)	(c)	(d)	(f)	(g)	
Ventilation/Mech	TA-55	Ventilation System	1360	1057	3714	1.79
	CMR	Ventilation System	1360			
	WETF	Ventilation System	1088			
	TA-54	LLW Compactor Ventilation	147			
Electrical/Instrumentation	CMR	Electrical Power Distribution	680	1057	2901	1.39
	CMR	Fire Alarm System	680			
	TA-55	Flammable Gas Control System	261			
	TA-55	Uninterruptible Power Supply (UPS)	196			
	TA-55	Paging System	261			
	WETF	Tritium Monitoring System	261			
	WETF	UPS	261			
	TA-50 WCRR	EDS	261			
	TA-50-69	UPS	147			

Note 1: Total SSO hours/year = Fixed Time Technical hours
+ largest adjusted system dependent hours
+ 0.5*(System{2} dependent hours)
+ 0.5*(System{3} dependent hours)
+ . . . + 0.5*(System{N} dependent hours)

memorandum

National Nuclear Security Administration
Los Alamos Site Office
Los Alamos, New Mexico 87544

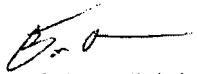
DATE: NOV 26 2007
REPLY TO:
ATTN OF: FRT:51C-015
SUBJECT: Facility Representative Staffing Plan

TO: Donald L. Winchell, Manager, LASO


THRU: Joseph C. Vozella, Assistant Manager, Safety Operations, LASO

Per Appendix C of DOE-STD-1063-2006, Facility Representative, the attached Facility Representative staffing plan has been developed for use by the Los Alamos Site Office.

The plan will be utilized for personnel hiring and assignment purposes upon your concurrence.



Edwin R. Christie
Team Lead
Facility Representative



Donald L. Winchell, Jr.
Manager



Concur: Staffing is limited to a total
of 14 personnel.

____ Non-Concur

Attachment:
Facility Representative Staffing Plan of November 2007

cc:
J. Heffner, HS-1.1, HQ/FORS
B. Broderick, DNFSB, LASO
C. Keilers, DNFSB, LASO
J. Chavez-Wileynski, OOM, LASO
A. MacDougall, OOM, LASO
F. Bell, SFTL, LASO
E. Christie, FRTL, LASO
J. Zilius, Acting AMBA, LASO
I. Lucero, BA, LASO

Table 1. Facility Hazard Value

[illegible]

[illegible]

	A	B	C	D	E	F	G	H	I	J
1										
2				Table 2 - Determination of Facility Coverage Ranking Priority						
3	Facility or Groups of Facilities			Facility Hazard Value	Facility Size	Material Condition	Operations Complexity	Programmatic Importance	Operational Rigor	Coverage Priority Ranking*
4	a			b	c	d	e	f	g	h
5	55	Nuclear-2	TA-55, Plutonium Processing Facility - 19 structures	43	1.25	1	1.25	1.25	1.25	105
6	55	Moderate to Low (LANL docs disagree)	TA-18 (18 Mod Haz, 17 low haz structures)	0	0.75	1	0.75	0.75	1.25	0
7	55	Moderate	TA-55-PF-2 (HPAL)	0						0
8	55	Moderate	TA-55-PF-3	0						0
9	TOTAL 55			43	1.25	1	1.25	1.25	1.25	105
10	CMR	Nuclear-2	TA-3-0029, Chemistry & Metallurgy Research (3 bldgs)	32	1.25	1.25	1	1.25	1.25	78
11	WFO	Moderate	DARHT (TA-15-312)	35	0.75	0.75	1	1.25	1.25	31
12	WFO	unk	Firing Site, MDA EF (PRS15 004(f)-99)	4	0.75	0.75	0.75	0.75	0.75	1
13	WFO		HE Labs	17	0.75	1.25	1	1	1.25	20
14	WFO		HE Detonator Manufacturing	16	0.75	1	1	1.25	1	15
15	WFO		TA-14/15/36 firing sites	23	1.25	1.25	1	1	1	36
16	WFO (Old EFO)	Nuclear-2	WETF (TA-16-205 & 450)	21	1	0.75	1	1	1	16
17	TOTAL WFO			116	1	0.75	1	1.25	1.25	136
18	EWMO	Nuclear-2	TA-54, Area G (18 structures)	32	1.25	1.25	1	1.25	1.25	78
19	EWMO	Nuclear-2	TA-50, RLWTF (6 structures)	20	0.75	1.25	1	1.25	1	23
20	EWMO	Nuclear-3	MDA B (PRS 21-015)	26	1	1.25	1	1	1.25	41
21	EWMO	Nuclear-2	TA-54, RANT (54-0038)	16	0.75	1.25	1	1	1	15
22	EWMO	Nuclear-2	TA-54, DVRS (54-412)	17	0.75	1.25	1	1	1	16
23	EWMO	Nuclear-2	MDA A (PRS 21-014)	16	0.75	0.75	0.75	0.75	0.75	4
24	EWMO	Nuclear-3	MDA H (PRS 54-004)	13	0.75	0.75	0.75	0.75	0.75	3
25	EWMO	Nuclear-2	MDA C (PRS 50-009)	12	0.75	0.75	0.75	0.75	0.75	3
26	EWMO	Nuclear-2	TA-50, WCRRF (1 structure)	15	0.75	1.25	1	1	1.25	18
27	EWMO	Nuclear-3	MDA W Sodium Storage Tanks (PRS 35-001)	13	0.75	0.75	0.75	0.75	0.75	3
28	EWMO	Nuclear-2	MDA T (PRS 21-016(A)-99)	12	0.75	0.75	0.75	0.75	0.75	3
29	EWMO	Nuclear-2	MDA AB (PRS 49-001(a)-00)	15	0.75	0.75	0.75	0.75	0.75	4
30	EWMO	Nuclear-2	Underground Resin Tank (PRS 53-006(b)-99)	10	0.75	0.75	0.75	0.75	0.75	2
31	EWMO	Nuclear-3	WWTP (PRS 35-003(a)-99)	10	0.75	0.75	0.75	0.75	0.75	2
32	EWMO	Nuclear-3	Wastewater Treatment Plant (PRS 35-003(d)-00), Pratt Canyon	9	0.75	0.75	0.75	0.75	0.75	2
33	EWMO	Nuclear-3	TA-10, PRS 10-002(a)00, liquid disposal complex, Bayo Canyon	2	0	0	0	0	0	0
34	TOTAL EWMO			502	1.25	1.25	1.25	1.25	1	1226
35	ISS	moderate, may be going to high	TA-3-0170 Compressed Gas Facility	15	0.75	1	1	1.25	1	14
36	ISS	moderate	TA-3-0476 Toxic gas shed	8	0.75	1	1	1	1	6
37	ISS	moderate	TA-3-1650 Flammable Gas shed	8	0.75	1	1	1	1	6
38	TOTAL ISS			31	0.75	1	1	1	1.25	29
39	LANSCE	High	TA-53, LANSCE, 1L Target	20	0.75	0.75	0.75	1	0.75	6
40	LANSCE	low	TA-53, LANSCE, Lujan Center ER-1/2 Actinide Experiments	13	0.75	0.75	1	1	0.75	5
41	LANSCE	low	TA-53, LANSCE Storage of Activated Components/Targets in Building 53-3, Sector M Area A east	8	0.75	0.75	0.75	0.75	0.75	2
42	LANSCE	High	TA-53, ER-1 Mercury Shutter system	6	0.75	0.75	0.75	0.75	0.75	1

[illegible]

Table 3 - Determination of Facility Representative Coverage

Facility or Groups of Facilities			Coverage Priority Ranking*	Facility Activity Level	Recommended Base Coverage Level	Initial FTE Coverage Level	Adjustment for FTE Coverage Level	Adjusted FTE Coverage Level	Recommended FR Coverage Level	Percent age of Time Available to Provide FR Coverage (from Table 5)	Final FTE Coverage Level	comments	totals for groups	Total for Programmatic AM
i	a		h	j	k	l	m	n	n'	o	p			
55	Nuclear-2	TA-55, Plutonium Processing Facility - 19 structures	105	High	Continual (>1)	1.25	2	2.5	2.5	0.60	4.2	24/7 opns		
55	Low	TA-18 (18 Mod Haz, 17 low haz structures)	0	Low	Seldom (<0.10)	0.05	1	0.05	0	0.60	0.0			
55	Moderate	TA-55-PF-2 (HPAL)	0	Low	Seldom (<0.10)	0.05	1	0.05	0	0.60	0.0			
55	Moderate	TA-55-PF-3	0	low	Seldom (<0.10)	0.05	1	0.05	0	0.60	0.0			
TOTAL 55			105							0.60		total for TA-55= 4.2 people	4	
CMR	Nuclear-2	TA-3-0029, Chemistry & Metallurgy Research (3 bldgs)	78	medium	Intermittent (0.25-0.50)	0.5	1.5	0.75	0.5	0.60	0.8	total for CMR =.8 person	1	
WFO	Moderate	DARHT (TA-15-312)	31	High	Intermittent (0.25-0.50)	0.25	1	0.25	0.25	0.60	0.4			
WFO	unk	Firing Site, MDA EF (PRS15-004(f)-99)	1	none	0	0	1	0	0	0.60	0.0			
WFO		HE Labs	20	medium	Seldom (<0.10)	0.05	1	0.05	0.05	0.60	0.1			
WFO		HE Detonator Manufacturing	15	High	Seldom (<0.10)	0.05	1	0.05	0.05	0.60	0.1			
WFO		TA-14/15/36 firing sites	36	High	Seldom (<0.10)	0.05	1.25	0.0625	0.0625	0.60	0.1			
WFO (Old EFO)	Nuclear-2	WETF (TA-16-205 & 450)	16	medium	Intermittent (0.25-0.50)	0.3	1	0.3	0.3	0.60	0.5			

Table 3 - Determination of Facility Representative Coverage

Facility or Groups of Facilities			Coverage Priority Ranking*	Facility Activity Level	Recommended Base Coverage Level	Initial FTE Coverage Level	Adjustment for FTE Coverage Level	Adjusted FTE Coverage Level	Recommended FR Coverage Level	Percent age of Time Available to Provide FR Coverage (from Table 5)	Final FTE Coverage Level	comments	totals for groups	Total for Programmatic AM
i	a		h	j	k	l	m	n	n'	o	p			
Total WFO	Nuclear-2		136									Total for WETF & HE operations = 1 Person	1	6
EWMO	Nuclear-2	TA-54, Area G (18 structures)	78	High	Frequent (0.50-1.00)	0.75	1.5	1.125	1.125	0.60	1.9	TA-54=2	2	
EWMO	Nuclear-2	TA-50, RLWTF (6 structures)	23	High	Frequent (0.50-1.00)	0.5	1	0.5	0.625	0.60	1.0	RLWTF=1	1	
EWMO	Nuclear-3	MDA B (PRS 21-015)	41	High	Frequent (0.50-1.00)	0.5	1.25	0.625	0.5	0.60	0.8	when cleanup starts-combined with other non-active MDAs	0.8	
EWMO	Nuclear-2	TA-54, RANT (54-0038)	15	High	Frequent (0.50-1.00)	0.5	1	0.5	0.3	0.60	0.0	= 0.5 person, but include coverage with TA-54 operations	0	
EWMO	Nuclear-2	TA-54, DVRS (54-412)	16	High	Frequent (0.50-1.00)			0		0.60	0.0	coming off the nuke list		
EWMO	Nuclear-2	MDA A (PRS 21-014)	4	Low	Seldom (<0.10)	0.05	1	0.05	0	0.60	0.0			
EWMO	Nuclear-3	MDA H (PRS 54-004)	3	Low	Seldom (<0.10)	0.05	1	0.05	0	0.60	0.0			
EWMO	Nuclear-2	MDA C (PRS 50-009)	3	low	Seldom (<0.10)	0.1	1	0.1	0.1	0.60	0.2	Higher req'd when work is in progress	0.2	
EWMO	Nuclear-2	TA-50, WCRRF (1 structure)	18	High	Frequent (0.50-1.00)	0.5	1	0.5	0.5	0.60	0.8		1	

Table 3 - Determination of Facility Representative Coverage

Facility or Groups of Facilities			Coverage Priority Ranking*	Facility Activity Level	Recommended Base Coverage Level	Initial FTE Coverage Level	Adjustment for FTE Coverage Level	Adjusted FTE Coverage Level	Recommended FR Coverage Level	Percent age of Time Available to Provide FR Coverage (from Table 5)	Final FTE Coverage Level	comments	totals for groups	Total for Programmatic AM
i	a		h	j	k	l	m	n	n'	o	p			
EWMO	Nuclear-3	MDA W Sodium Storage Tanks (PRS 35-001)	3	Low	Seldom (<0.10)	0.05	1	0.05	0	0.60	0.0	MDA's with no activity other than surveillance rated as Seldom although STD-1063 states Occasional		
EWMO	Nuclear-2	MDA T (PRS 21-016(A)-99)	3	Low	Seldom (<0.10)	0.05	1	0.05	0	0.60	0.0			
EWMO	Nuclear-2	MDA AB (PRS 49-001(a)-00)	4	Low	Seldom (<0.10)	0.05	1	0.05	0	0.60	0.0			
EWMO	Nuclear-2	Underground Resin Tank (PRS 53-006(b)-99)	2	Low	Seldom (<0.10)	0.05	1	0.05	0	0.60	0.0			
EWMO	Nuclear-3	WWTP (PRS 35-003(a)-99)	2	Low	Seldom (<0.10)	0.05	1	0.05	0	0.60	0.0			
EWMO	Nuclear-3	Wastewater Treatment Plant (PRS 35-003(d)-00), Pratt Canyon	2	Low	Seldom (<0.10)	0.05	1	0.05	0	0.60	0.0			
EWMO	Nuclear-3	TA-10, PRS 10-002(a)00, liquid disposal complex, Bayo Canyon	0	Low	Seldom (<0.10)	0.05	1	0.05	0	0.60	0.0			
TOTAL EWMO			1226									total for EWMO=5.3 persons	5	5
ISS	moderate	TA-3-0170 Compressed Gas Facility	14	medium	Seldom (<0.10)	0.05	1	0.05	0.05	0.60	0.0	covered by SME		
ISS	moderate	TA-3-0476 Toxic gas shed	6	medium	Seldom (<0.10)	0.05	1	0.05	0	0.60	0.0			

Table 3 - Determination of Facility Representative Coverage

Facility or Groups of Facilities			Coverage Priority Ranking*	Facility Activity Level	Recommended Base Coverage Level	Initial FTE Coverage Level	Adjustment for FTE Coverage Level	Adjusted FTE Coverage Level	Recommended FR Coverage Level	Percent age of Time Available to Provide FR Coverage (from Table 5)	Final FTE Coverage Level	comments	totals for groups	Total for Programmatic AM
i	a		h	j	k	l	m	n	n'	o	p			
ISS	moderate	TA-3-1650 Flammable Gas shed	6	medium	Seldom (<0.10)	0.05	1	0.05	0	0.60	0.0			
TOTAL ISS			29											
LANSCE	High	TA-53, LANSCE, 1L Target	6	Low	Occasional (0.10-0.25)	0.25	1	0.25	0	0.60	0.0			
LANSCE	low	TA-53, LANSCE, Lujan Center ER-1/2 Actinide Experiments	5	medium	Occasional (0.10-0.25)	0.25	1	0.25	0.25	0.60	0.4	includes 1L tgt		
LANSCE	low	TA-53, LANSCE Storage of Activated Components/Targets in Building 53-3,	2	Low	no coverage	0	1	0	0	0.60	0.0			
LANSCE	High	TA-53, ER-1 Mercury Shutter system	1	Low	seldom (<0.10)	0.05	1	0.05	0	0.60	0.0			
LANSCE	High	Stack Air Emissions per EPA requirements (E. Christie's categorization)	1	medium	Occasional (0.10-0.25)	0.1	1	0.1	0	0.60	0.0			
LANSCE	low	Area C PRAD and Pu/HE Operations (E. Christie's categorization)	8	medium	Occasional (0.10-0.25)	0.15	1	0.15	0.15	0.60	0.3			
TOTAL LANSCE			19							0.60	0.0	Total for LANSCE is 0.7 person, not including specialized work control coverage	0.7	
STO (Old M&C)	Low	National High Magnetic Lab TA-35 124, 294, 301	11	medium	Seldom (<0.10)	0.05	1	0.05	0	0.60	0.0			
STO (Old M&C)	Moderate	TA-3-102, RAM Machine Shop	4	medium	Seldom (<0.10)	0.05	1	0.05	0	0.60	0.0			

Table 3 - Determination of Facility Representative Coverage

Facility or Groups of Facilities			Coverage Priority Ranking*	Facility Activity Level	Recommended Base Coverage Level	Initial FTE Coverage Level	Adjustment for FTE Coverage Level	Adjusted FTE Coverage Level	Recommended FR Coverage Level	Percent age of Time Available to Provide FR Coverage (from Table 5)	Final FTE Coverage Level	comments	totals for groups	Total for Programmatic AM
i	a		h	j	k	l	m	n	n'	o	p			
STO (Old M&C)	High	TA-3-0141 Beryllium Technology Facility	5	High	Intermittent (0.25-0.50)	0.25	1	0.25	0	0.60	0.0	covered by SME		
STO (Old M&C)	Low	TA-3-34, Condensed Matter & Thermal Physics	3	Low	no coverage	0	1	0	0	0.60	0.0			
STO (Old M&C)	Moderate	TA-3-0066 (SIGMA)	16	medium	Intermittent (0.25-0.50)	0.3	1	0.3	0.3	0.60	0.5			
STO (Old M&C)	High	TA-3-0039 (Main Machine Shop)	5	Low	Seldom (<0.10)	0.05	1	0.05	0	0.60	0.0			
STO (Old M&C)	low	TA-35-124 (Target Fabrication Facility)	7	medium	Seldom (<0.10)	0.05	1	0.05	0	0.60	0.0			
STO (Old M&C)	Low	TA-3-1698, Material Science Laboratory	3	medium	Seldom (<0.10)	0.05	1	0.05	0	0.60	0.0			
STO (Old M&C)	Low	TA-3-35,Sigma Press Bldg	2	low	no coverage	0	1	0	0	0.60	0.0			
STO (Old M&C)	Low	TA-3-159, Sigma Thorium Bldg - storage	1	Low	no coverage	0	1	0	0	0.60	0.0			
STO (Old M&C)	Low	TA-3-1819, Material Science Lab	1	High	Seldom (<0.10)	0.05	1	0.05	0	0.60	0.0			
STO (Old M&C)	Moderate	TA-3-0169 (SIGMA Thorium bldg) - storage	1	low	Seldom (<0.10)	0.05	1	0.05	0	0.60	0.0			
STO (Old M&C)	Moderate	TA-3-0451 -storage	1	l	Seldom (<0.10)	0.05	1	0.05	0	0.60	0.0			
STO (Old M&C)	low	TA-3-1420 Center for Integrated Nano Technology (CINT)	0	High	Seldom (<0.10)	0.05	1	0.05	0	0.60	0.0			
STO (Old M&C)	High	TA-3-0317 Graphite Flour Storage (as of 2000)	0	low	Seldom (<0.10)	0.05	1	0.05	0	0.60	0.0			

Table 3 - Determination of Facility Representative Coverage

Facility or Groups of Facilities			Coverage Priority Ranking*	Facility Activity Level	Recommended Base Coverage Level	Initial FTE Coverage Level	Adjustment for FTE Coverage Level	Adjusted FTE Coverage Level	Recommended FR Coverage Level	Percent age of Time Available to Provide FR Coverage (from Table 5)	Final FTE Coverage Level	comments	totals for groups	Total for Programmatic AM
i a			h	j	k	l	m	n	n'	o	p			
STO (Old M&C)	Low	TA-36-1, Calibration Lab	0	High	Seldom (<0.10)	0.05	1	0.05	0	0.60	0.0			
STO (Old M&C)	Low	TA-36-214, Calibration Lab	0	High	Seldom (<0.10)	0.05	1	0.05	0	0.60	0.0			
TOTAL STO (Old M&C)			122										0.5	
P&T	Nuclear-2	Transportation	23	Intermittent (0.25-medium)	0.50)	0.25	1	0.25	0.25	0.60	0.0	value is 0.4 FTE for final coverage-included in Program support FR shown at bottom		
STO (Old TR&P)	Low	TA-3-1076 (BSL-3)	3	medium	Occasional (0.10-0.25)	0.1	1	0.1	0.1	0.60	0.0	FTE for final coverage-included in Work Control FR shown at bottom		
STO (Old TR&P)	Low	TA-43-1, HRL	9	High	Intermittent (0.25-0.50)	0.25	1	0.25	0.25	0.60	0.0	value is 0.4 FTE for final coverage-included in Work Control FR shown at bottom		
STO (Old TR&P)	Moderate	TA-3-40, Physics building	6	High	Intermittent (0.25-0.50)	0.5	1	0.5	0	0.60	0.0			
STO (Old TR&P)	Moderate	TA-39-002, cl 4 laser	3	medium	Seldom (<0.10)	0.05	1	0.05	0	0.60	0.0	coverage by IH SME		
STO (Old TR&P)	Moderate	TA-35-85	3	Low	Seldom (<0.10)	0.05	1	0.05	0	0.60	0.0			

[illegible]

FR Coverage is optional for non-nuclear facilities with a Coverage Ranking Factor <15.

Table 5 - Facility Representative Available Time for Coverage, Generic Analysis

FR Activity that does not provide oversight of his/her assigned facility or increases facility oversight time*	Average Time required to perform identified activity across the FR Program being analyzed	Hours required to perform identified activity annually
Annual Leave/Comp taken	8 hours per pay period	-208
Sick Leave	1 week per year	-40
Administrative Duties	7% of work hours	-146
Training (access, safety, rad); professional development	2 weeks per year	-80
FR Qualifications	FRs in phase II qual or requal (assume 4 in qual ea yr, 50% time for 6 mos). Does not consider Phase 1 personnel (100% in qual for up to 1 yr.)	-173
Collateral Duties	2 hour per pay period	-42
Federal Holidays	10 Holidays	-80
Overtime/Comptime	30 hours/year	-30
Special Assignments	1 week	-40
Available Time Adjustment		-839
Percentage of Time Available to Provide FR Coverage (2080 + Avail Time Adjustment / 2080)		0.60